

Remarks: Examination Report

Claims 1-96 are pending in the application. Claims 1-26,36,46,52,53,70 and 75-98 were rejected (as per the office Action cover sheet), but it appears that Claims 3-18 are in fact objected to (from the section detailing the Allowable Subject Matter) and not rejected. Claims 37-45 were allowed. Claims 27-35, 47-51, 54-69 and 71-74 were objected to. It also appears that Claims 3-18 were objected to, though this is not mentioned on the cover sheet.

1. Claims 52-75 were objected to because of informalities in the preamble. Claims 52-75 have been amended to overcome the objection.
2. Claims 1-25 and 76-98 were rejected under U.S.C. 112, second paragraph for being indefinite. Claims 1-25 and 76-98 have been amended to recite method claims.
3. Claim 46 was rejected under U.S.C. 103(a) as being unpatentable over Lee US 6,173,008. Claim 46 has been amended to recite as additional limitations a despreader and a carrier phase recovery module. Lee does not reach the use of a carrier phase recovery module before a first Walsh transform, and Claim 46 should hence be patentable over Lee. Applicants request reconsideration of amended Claim 46. Claims 47-51 are dependent on Claim 46 and have all the limitations of Claim 46 and should be allowable as well.
4. Claims 1, 19,25,26,36,52,53,70,75-77 and 94 were rejected under 35 U.S.C. 103(a) over Lee in view of Madhow et al. US 6,175,587.

Based on a review of the prior art, and the allowable subject matter, Claim 1 and Claim 26 have been amended to include at least a second fast Walsh transform step after the modification of the result obtained by a first fast Walsh transform step. Claim 1 and

Claim 26 should now be allowable, and Applicants request reconsideration of Claims 1 and 26 and dependent Claims 2-25 and 27-36. Dependent Claims 3-18, 20-23, and 27-35, which were previously objected to, now include all the limitations of the original base claim, and should be allowable.

Claim 52 has been amended to include as a limitation at least a second fast Walsh transform, and should be allowable, as should its dependent Claims 53-75. Applicants request reconsideration of these Claims.

Claim 76 has been amended to recite a storing step, which is not taught by the prior art. Applicants request reconsideration of Claim 76 and dependent Claims 77-98.

Claim 39 was amended.

The prior art made of record (Sun US 6,265,311) was reviewed.

Conclusion

Applicants have discussed all the points raised in the Action. Applicants have amended independent Claims 1, 26, 46, 52, and 76 to address the examiner's rejections. Claims have also been amended to address the objections of the examiner. Claims 1-98 are pending in the application. Applicants believe that all pending claims are in condition for allowance and such disposition is respectfully requested. In the event that a telephone conversation would further prosecution and/or expedite allowance, the Examiner is invited to contact the undersigned.

Respectfully submitted,

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